

# Binary Armor®

## SCADA Network Data Guard

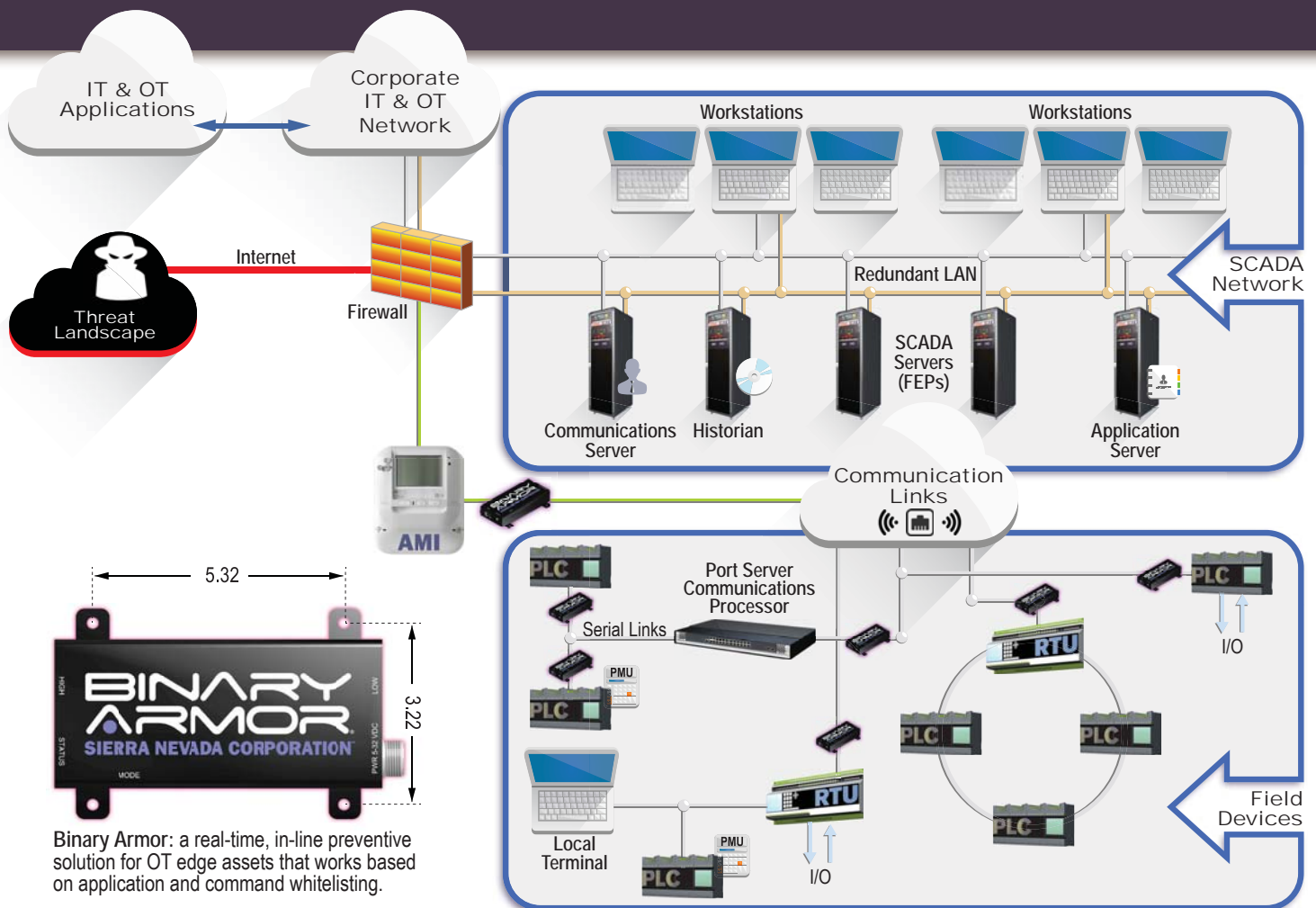
### Cyber Security for Smart-Grid and Critical Infrastructure

**Binary Armor®** is an endpoint cyber security solution for SCADA and industrial control system networks. Designed to be installed in-line between PLCs, remote terminal units, intelligent electronic devices or controllers and the WAN/LAN, the Binary Armor® patented technology provides bi-directional security across all communication layers. **Binary Armor®** processes every byte of every message with a defined rule-set that is tailored to match the operational logic of the Industrial Control System on which it is deployed, ensuring only safe message traffic reaches critical systems. **Binary Armor®** cannot be modified or reconfigured without physical access to the system, providing a reliable and robust security solution to protect remote facilities and critical infrastructure.



# Binary Armor®

## SCADA Network Data Guard



### Preventable Incidents at Industrial Control Systems

Binary Armor can prevent malicious HMI requests, blocks unauthorized commands and eliminates need for edge protection approach.

- |  |  |   |   |   |
|--|--|---|---|---|
| <b>STUXNET</b><br>▶ Valve settings were modified | <b>Night Dragon</b><br>▶ RAT and data exfiltration | <b>Dragonfly</b><br>▶ Infected HMIs and data breach | <b>SHAMOON</b><br>▶ Infected HMIs and data breach | <b>Maroochy Shire</b><br>▶ The function of pumping station was modified |
|--|--|---|---|---|

### Specifications

#### Size, Weight and Power:

- 5-32V VDC or 12-56 VDC
- 5.32" x 3.22" x 1.0"
- Weight: 1 lb
- Maximum power consumption: 5W
- Power and interface cable included

#### Interfaces:

- RS-232 or 3.3 V Digital IO on rugged power and data connector
- 10/100 Ethernet data interfaces on high and low side

#### Environmental:

- Operating temperature: -40° to +85° C
- Shock: 6g for 11ms
- Vibration: DO-160E CATS
- ESD: DO-160G Section 25
- Tamper-resistant enclosure

#### ICS Protocols and Security:

- DNP3, Modbus, EtherNet/IP, ROC Plus, HTTP, FTP, SMTP, NTP, Data-Diode, other custom protocols
- TLS 1.2 encryption with server and client verification for all protocols
- Out-of-the-box support for custom binary or ASCII protocols
- Key management through secure hardware token

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